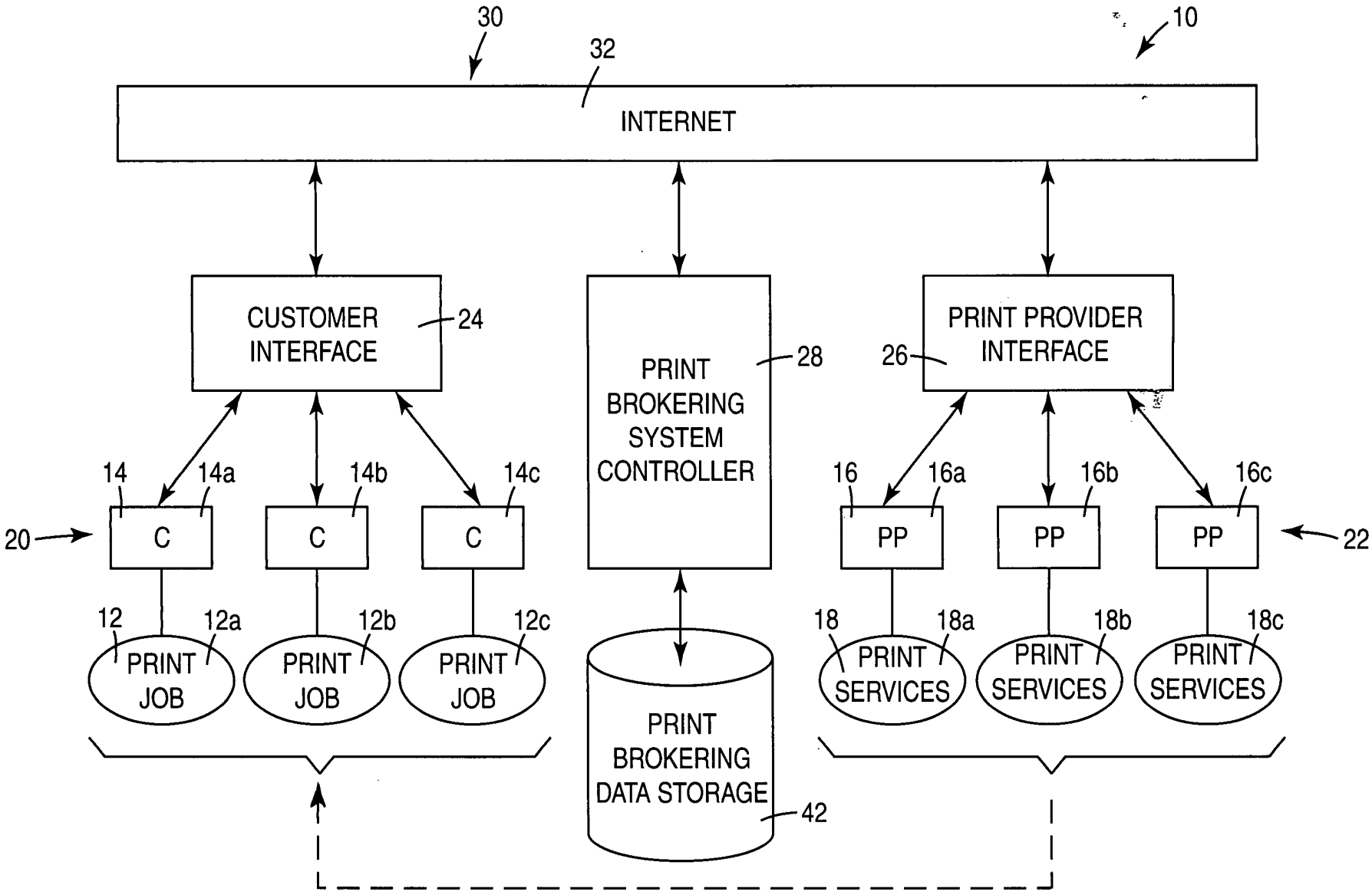

30
32
10
INTERNET
CUSTOMER INTERFACE
24
PRINT BROKERING SYSTEM CONTROLLER
28
PRINT PROVIDER INTERFACE
26
14
14a
14b
14c
16
16a
16b
16c
20
C
C
C
PP
PP
PP
22
12
12a
12b
12c
18
18a
18b
18c
PRINT JOB
PRINT JOB
PRINT JOB
PRINT SERVICES
PRINT SERVICES
PRINT SERVICES
PRINT BROKERING DATA STORAGE
42

Fig. 1

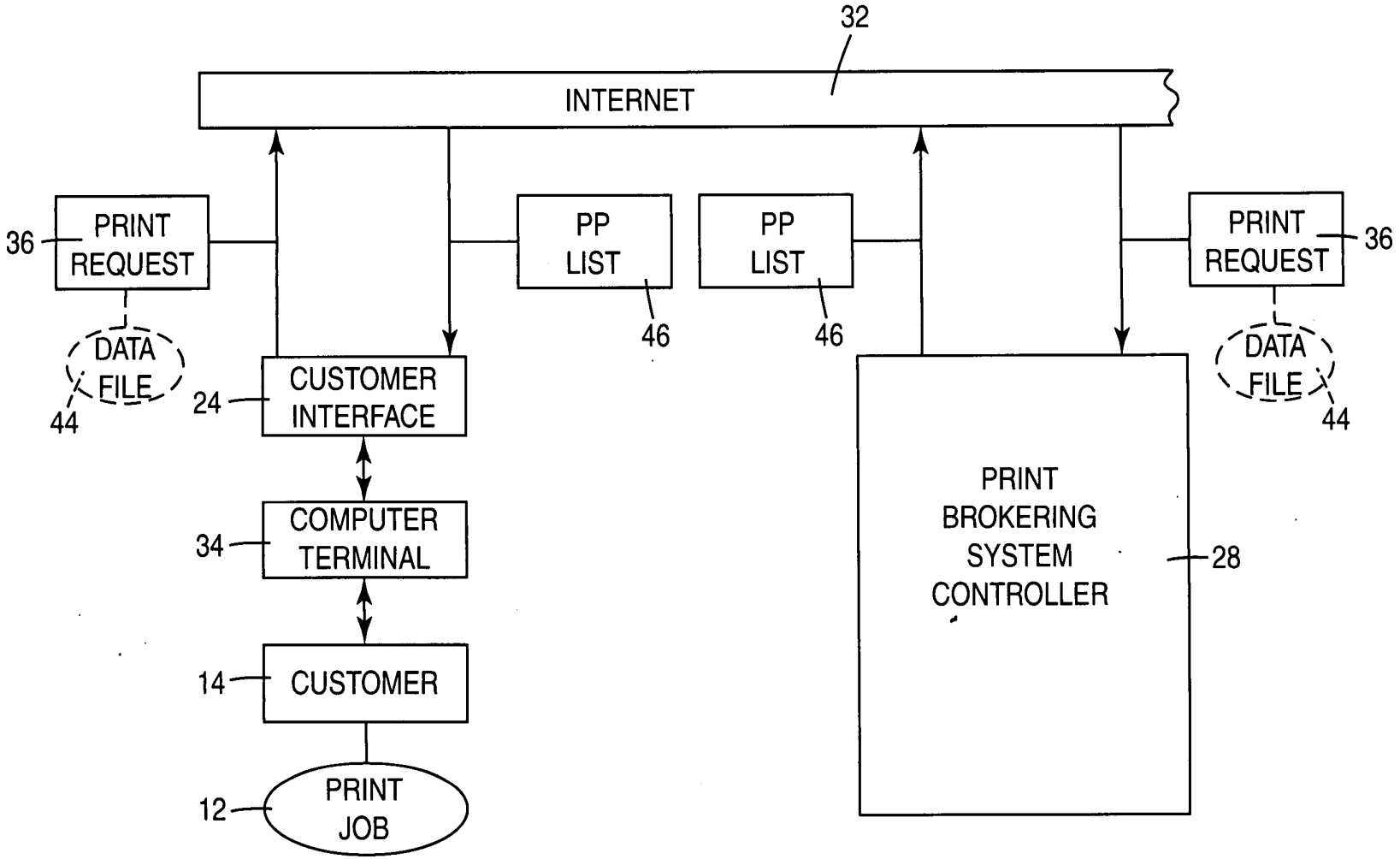
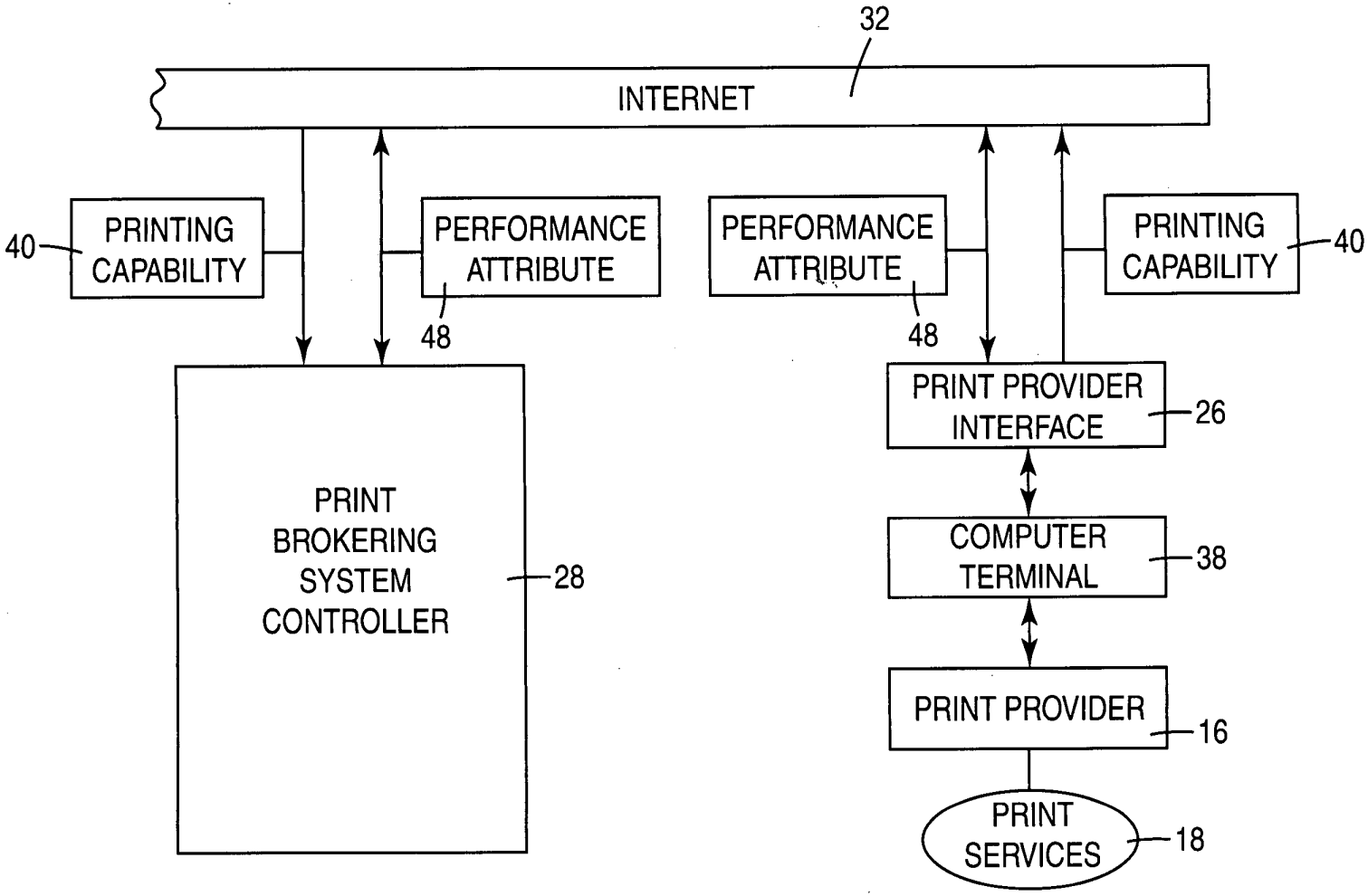

32
INTERNET
36
PRINT REQUEST
DATA FILE
44
24
CUSTOMER INTERFACE
34
COMPUTER TERMINAL
14
CUSTOMER
12
PRINT JOB
PP LIST
46
PP LIST
46
PRINT BROKERING SYSTEM CONTROLLER
28
PRINT REQUEST
36
DATA FILE
44

Fig. 2

patent pending



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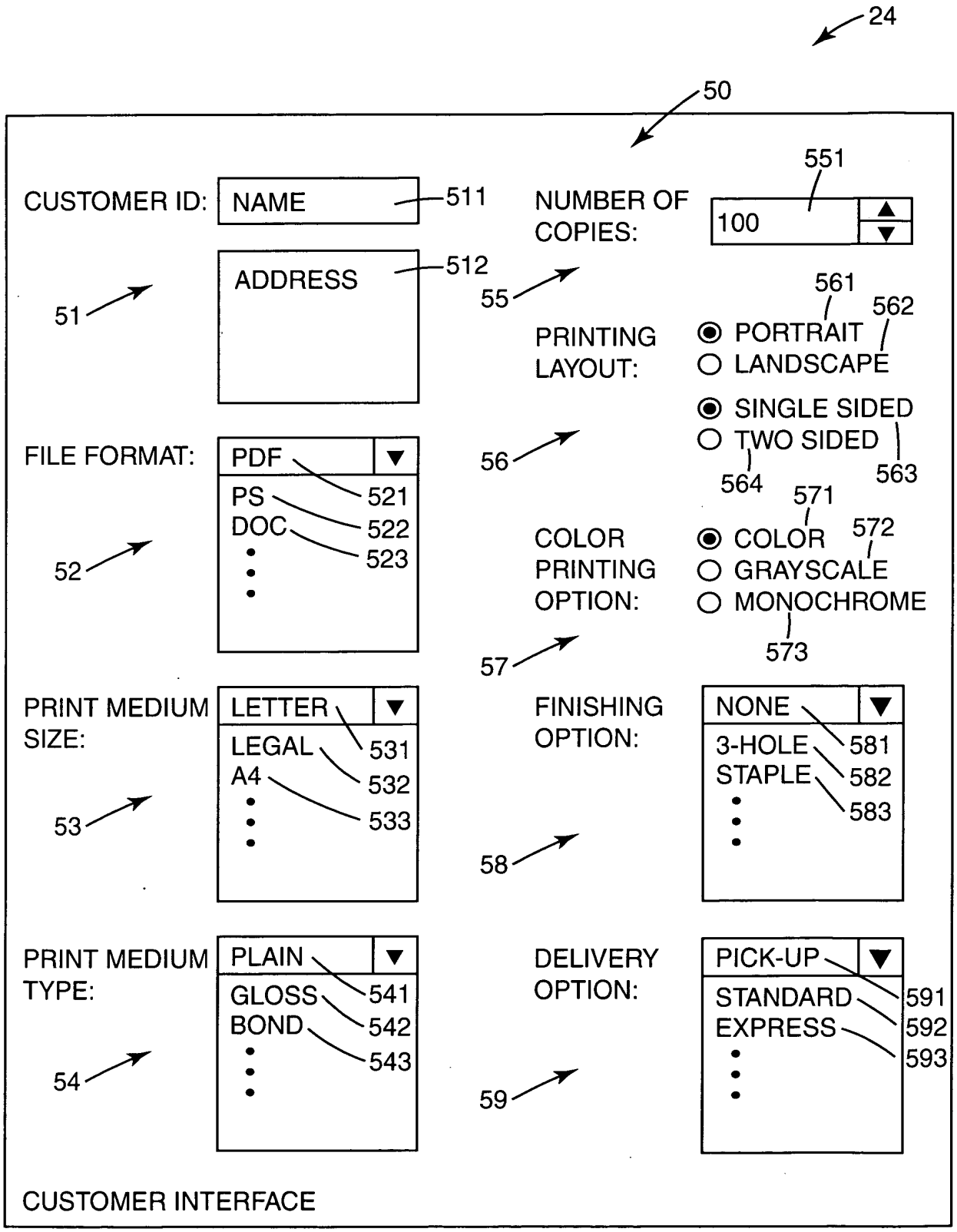
24
50
CUSTOMER ID:
NAME
511
ADDRESS
512
51
FILE FORMAT:
PDF
PS
DOC
521
522
523
52
PRINT MEDIUM SIZE:
LETTER
LEGAL
A4
531
532
533
53
PRINT MEDIUM TYPE:
PLAIN
GLOSS
BOND
541
542
543
54
NUMBER OF COPIES:
551
100
55
PRINTING LAYOUT:
561
562
PORTRAIT
LANDSCAPE
SINGLE SIDED
TWO SIDED
564
563
56
COLOR PRINTING OPTION:
571
572
COLOR
GRAYSCALE
MONOCHROME
573
57
FINISHING OPTION:
NONE
3-HOLE
STAPLE
581
582
583
58
DELIVERY OPTION:
PICK-UP
STANDARD
EXPRESS
591
592
593
59
CUSTOMER INTERFACE

Fig. 4

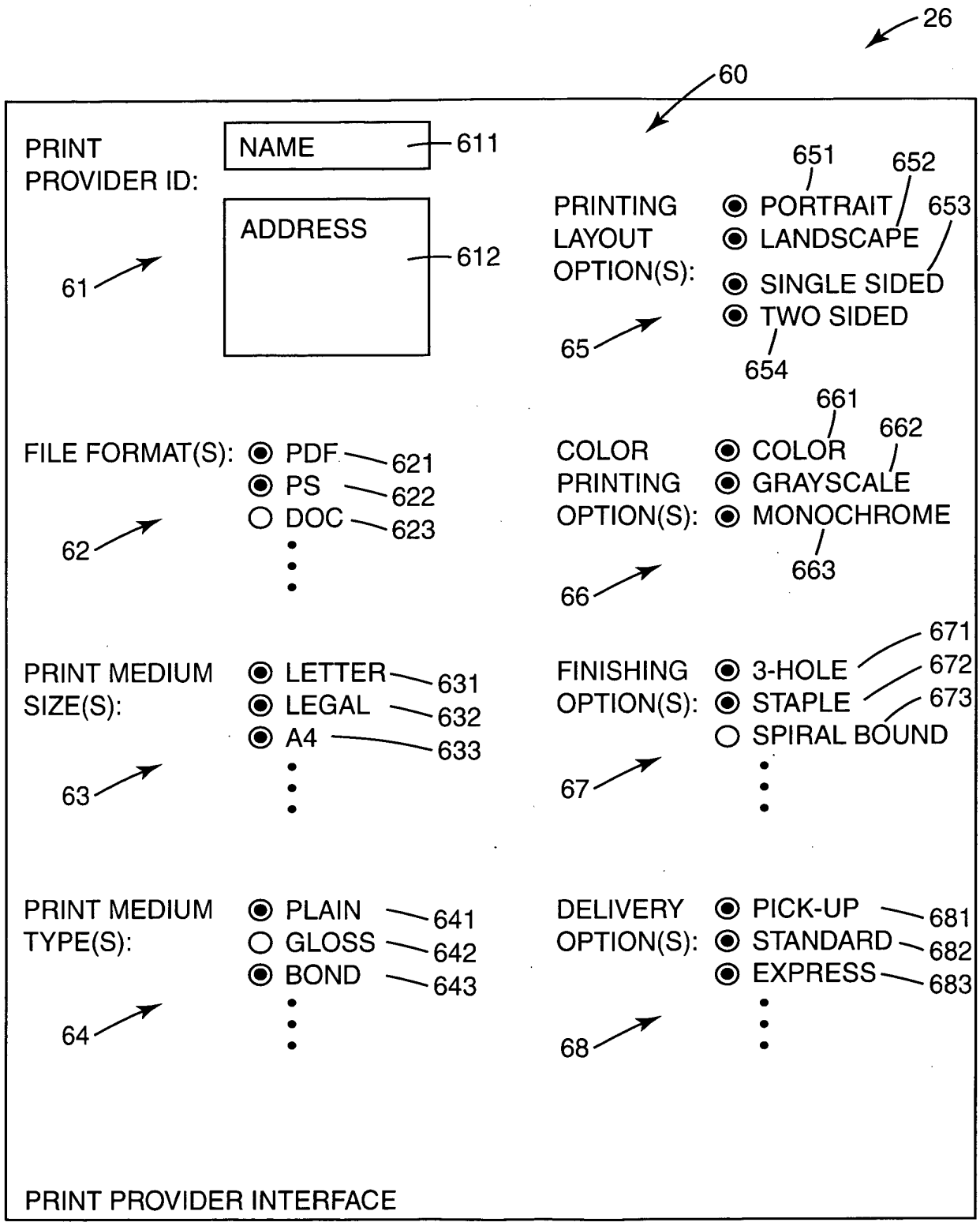
26
60
PRINT PROVIDER ID:
NAME
611
ADDRESS
612
61
PRINTING LAYOUT OPTION(S):
651
652
653
PORTRAIT
LANDSCAPE
SINGLE SIDED
TWO SIDED
654
65
FILE FORMAT(S):
PDF
621
PS
622
DOC
623
62
COLOR PRINTING OPTION(S):
661
662
COLOR
GRAYSCALE
MONOCHROME
663
66
PRINT MEDIUM SIZE(S):
LETTER
631
LEGAL
632
A4
633
63
FINISHING OPTION(S):
671
672
673
3-HOLE
STAPLE
SPIRAL BOUND
67
PRINT MEDIUM TYPE(S):
PLAIN
641
GLOSS
642
BOND
643
64
DELIVERY OPTION(S):
PICK-UP
681
STANDARD
682
EXPRESS
683
68
PRINT PROVIDER INTERFACE

Fig. 5

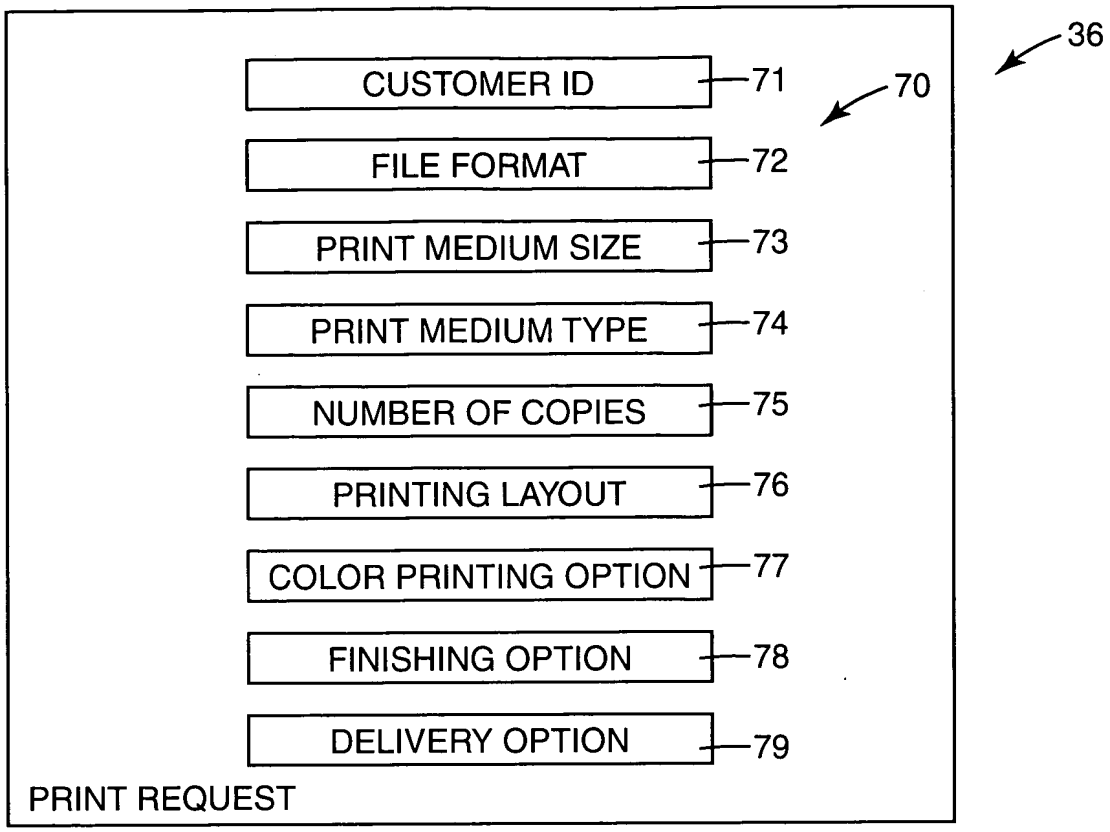
36
70
CUSTOMER ID
71
FILE FORMAT
72
PRINT MEDIUM SIZE
73
PRINT MEDIUM TYPE
74
NUMBER OF COPIES
75
PRINTING LAYOUT
76
COLOR PRINTING OPTION
77
FINISHING OPTION
78
DELIVERY OPTION
79
PRINT REQUEST

Fig. 6

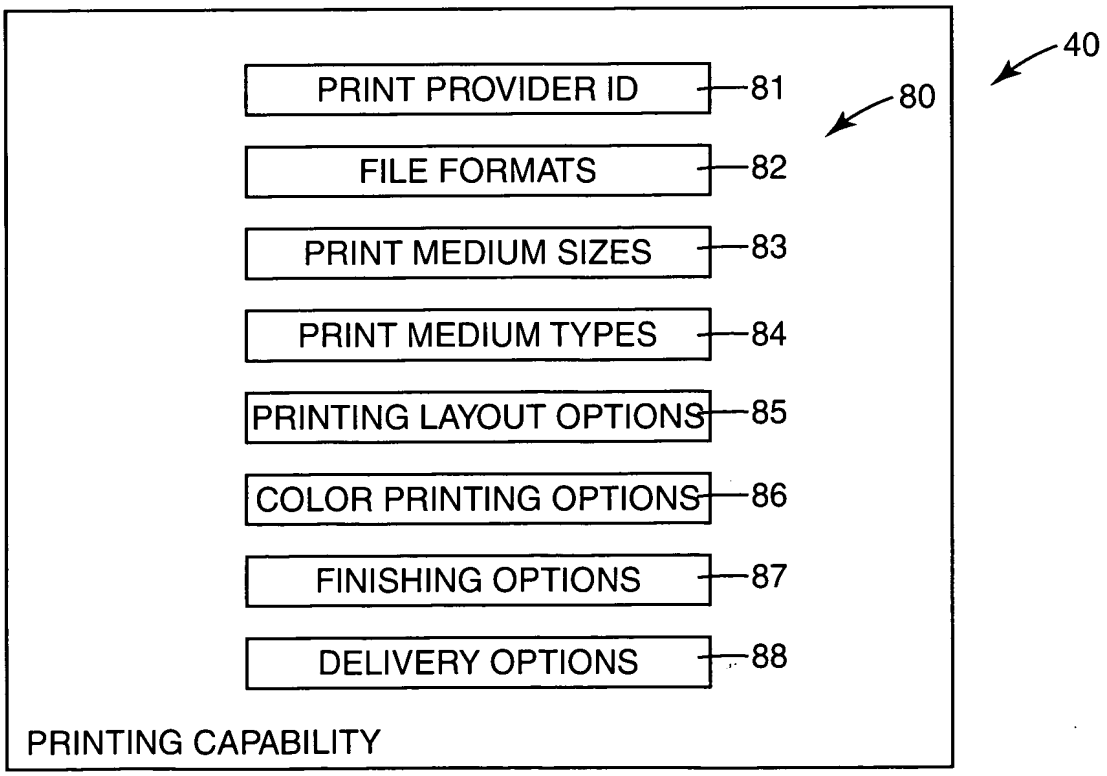
40
80
PRINT PROVIDER ID
81
FILE FORMATS
82
PRINT MEDIUM SIZES
83
PRINT MEDIUM TYPES
84
PRINTING LAYOUT OPTIONS
85
COLOR PRINTING OPTIONS
86
FINISHING OPTIONS
87
DELIVERY OPTIONS
88
PRINTING CAPABILITY

Fig. 7

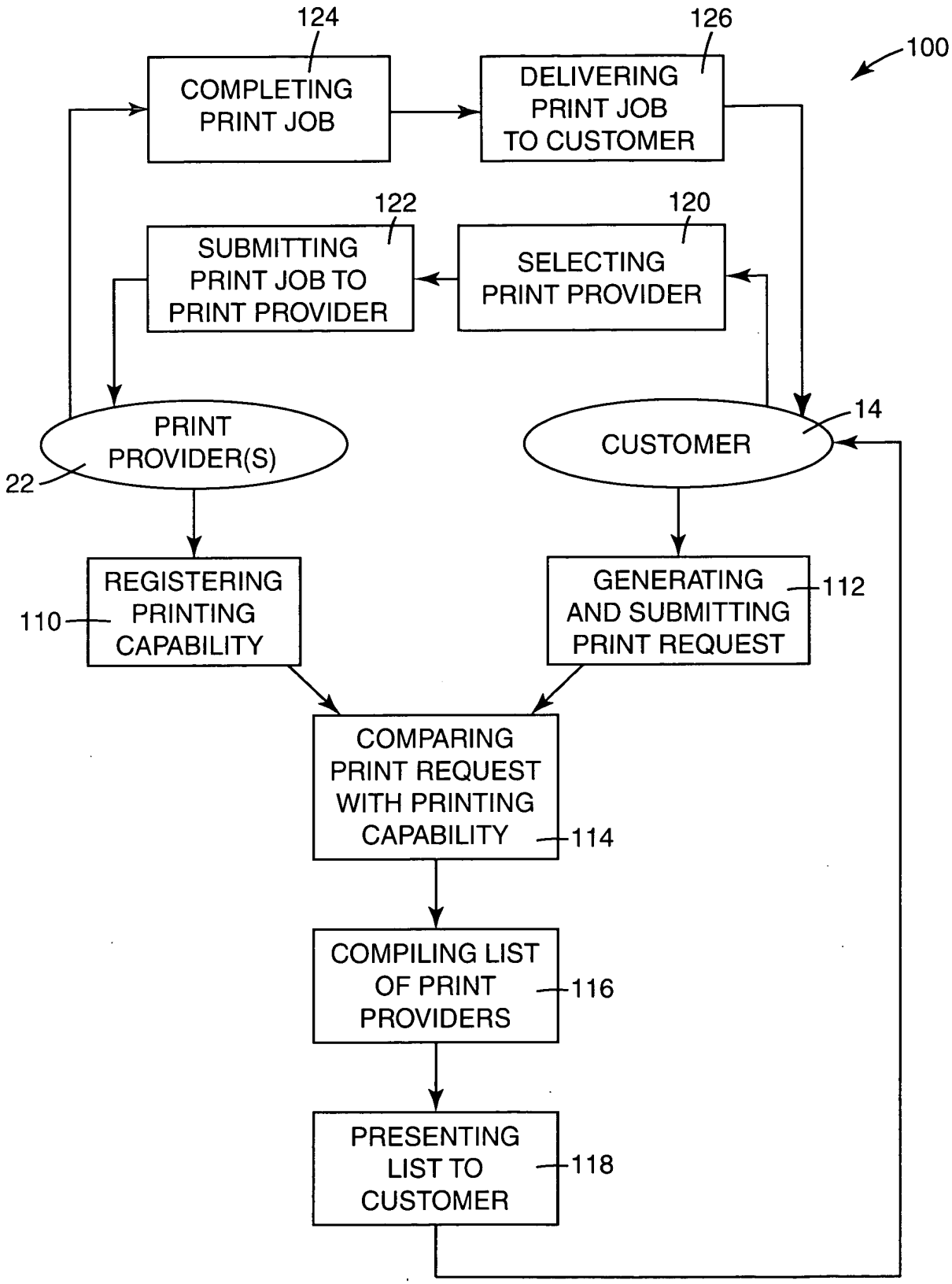
124
126
100
COMPLETING PRINT JOB
DELIVERING PRINT JOB TO CUSTOMER
122
120
SUBMITTING PRINT JOB TO PRINT PROVIDER
SELECTING PRINT PROVIDER
PRINT PROVIDER(S)
22
CUSTOMER
14
REGISTERING PRINTING CAPABILITY
110
GENERATING AND SUBMITTING PRINT REQUEST
112
COMPARING PRINT REQUEST WITH PRINTING CAPABILITY
114
COMPILING LIST OF PRINT PROVIDERS
116
PRESENTING LIST TO CUSTOMER
118

Fig. 8

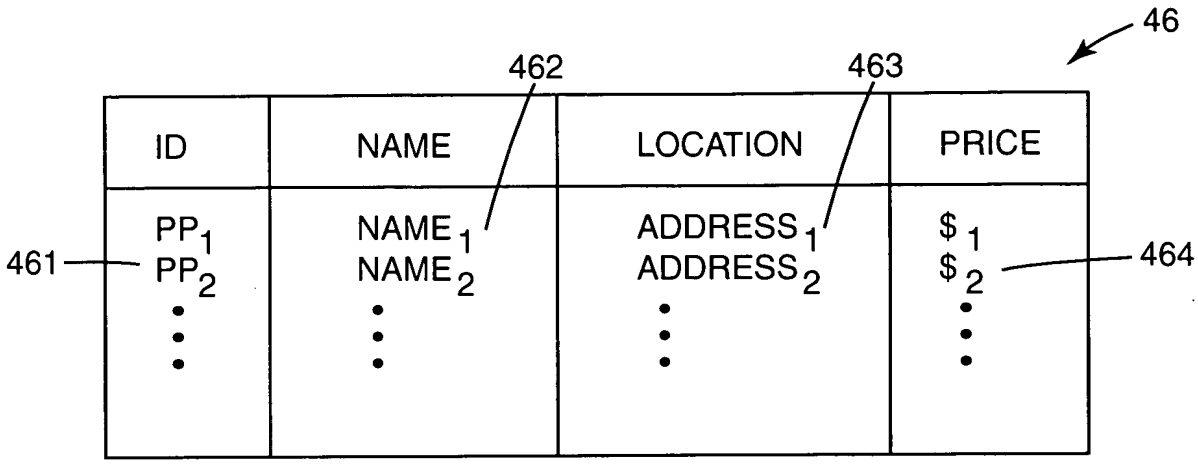
46
462
463
ID
NAME
LOCATION
PRICE
461
PP1
PP2
NAME1
NAME2
ADDRESS1
ADDRESS2
$1
$2
464

Fig. 9

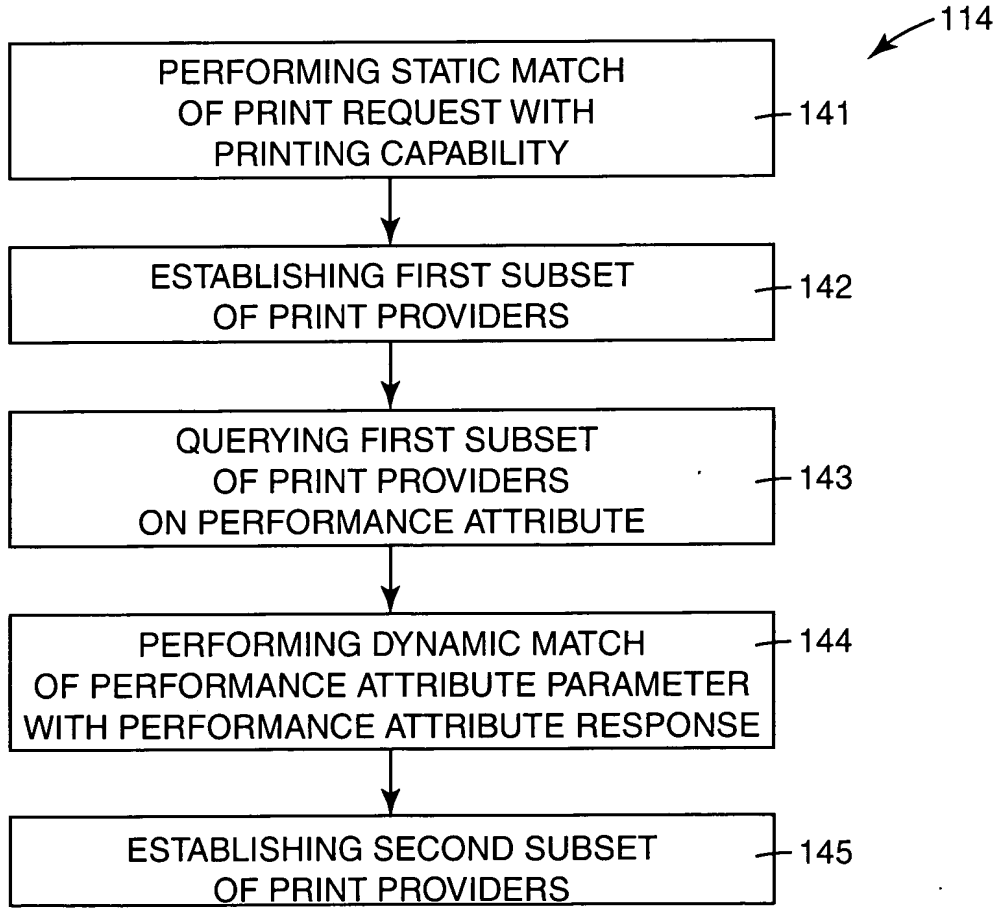
114
PERFORMING STATIC MATCH OF PRINT REQUEST WITH PRINTING CAPABILITY
141
ESTABLISHING FIRST SUBSET OF PRINT PROVIDERS
142
QUERYING FIRST SUBSET OF PRINT PROVIDERS ON PERFORMANCE ATTRIBUTE
143
PERFORMING DYNAMIC MATCH OF PERFORMANCE ATTRIBUTE PARAMETER WITH PERFORMANCE ATTRIBUTE RESPONSE
144
ESTABLISHING SECOND SUBSET OF PRINT PROVIDERS
145

Fig. 10